



Center Loop Review

Paid for by MassDOT's Shared Streets and Spaces Grant

Background

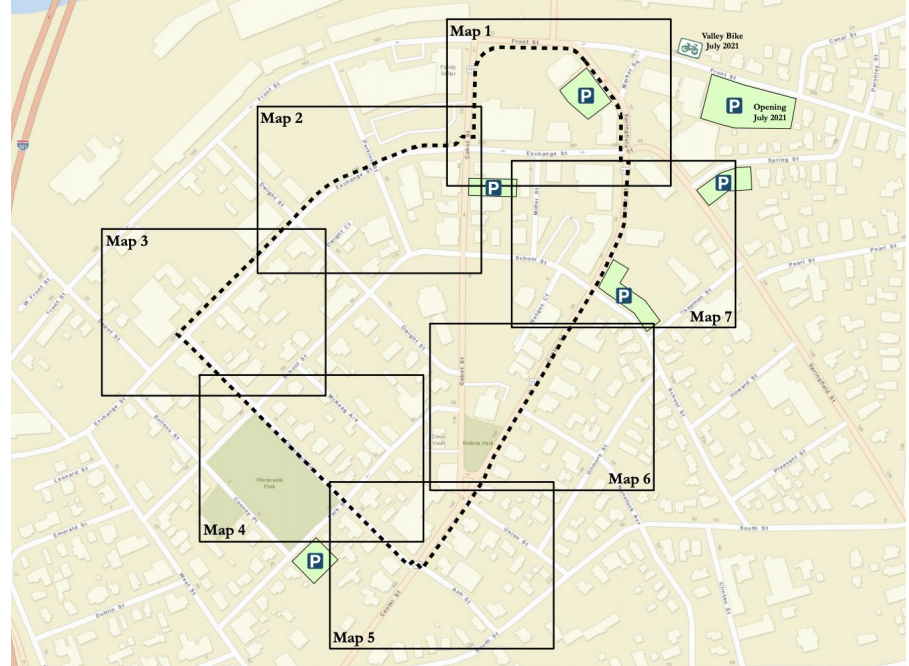
- August 2020, MassDOT released the Shared Streets and Spaces grant.
- Grant aimed to support improvements to the “public realm (plazas, sidewalks, curbs, streets, bus stops, parking areas, and other public spaces) in support of public health, safe mobility, and renewed commerce.”
- This is a “Quick-Launch/Quick-Build” municipal funding program.
- Focus on pilot projects that could inform future projects.

Our Goal

We viewed this grant as our opportunity to introduce bike infrastructure to Chicopee and make our streets safer for all users, while simultaneously addressing current COVID needs such as safe outdoor recreation, safe bus alternatives, and a way of attracting people to our business district.

Weighing Impacts of Bike Lane Location

- **Economic impacts associated with the removal of parking of businesses along the route**
- Residential parking needs
- Safe traffic circulation



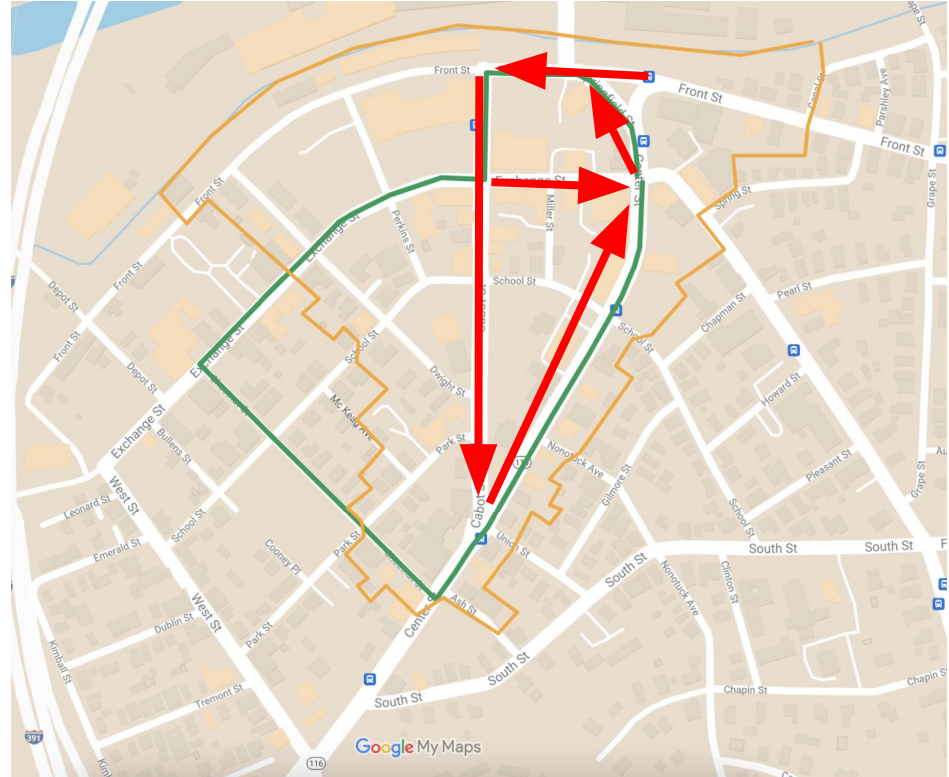
Parking Concerns

- Broke down on-street parking concerns based on the following criteria:
 - Does the business have an off street parking lot?
 - Is the Center Loop on their street?
 - Is the Center Loop on their side of the street?
- **Total On-Street Parking Numbers**
 - Prior to Center Loop: **237**
 - Number Removed: **65 (27%)**
 - **Parking Spaces Remaining: 172**

Categories	Businesses
Downtown, not on route	63
On route, not directly impacted	35
On route, parking directly impacted, but has off street parking	8
On route, parking directly impacted, adjacent to public parking	7
On route, parking directly impacted, has no off street parking	1

Safe Traffic Flow

- Traffic concerns were addressed with the DPW's assistance, particularly the Engineering and Highway Departments.
- Helped inform the Center Loops final location.



Initial Proposal - Sep 2020

- Initial Grant Request was for \$133,638.40
- Included
 - Self watering planter delineators along Center St
 - Orange loopier cones along the rest of the Loop
- **MassDOT: Too Expensive, asked to re-submit with changes**



Second Proposal - Dec 2020

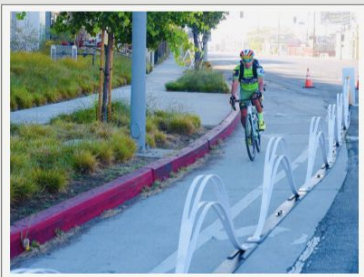
- Round 2 Grant for \$76,642.50
(\$56,996.40 less)
- Included
 - Wave delineators
 - Line painting
- **MassDOT: Awarded**

This proposal was cheaper, less labor intensive, more flexible for future reuse, and more aesthetically pleasing.



Bike Infrastructure Introduced

PROTECTED BIKE LANE WITH WAVE DELINEATORS



A protected bike lane clearly defines space on the road for bikes and prevents cars from infringing on that space. Installing physical barriers offers the greatest degree of protection.

Design Standards

- Bicycle lane word, symbol, and/or arrow markings must be placed at the beginning of a bike lane and at periodic intervals.
- For one-way separated bike lanes with low volumes of bicyclists (less than 150 per peak hour), the recommended width of the bike lane zone is 6.5 ft. This is the width needed to enable passing movements between bicyclists. In constrained conditions where the recommended width cannot be achieved, the bike lane zone can be a minimum of 5 ft. wide. Where additional space is available, 6.5 ft. wide passing zones should be provided.
- The Saris Wave Delineator barriers are 6" wide and need a 1–1.5' buffer to be installed. Diagonal crosshatch markings may be placed in the buffer zone for emphasis.

SHARED LANE MARKING (AKA SHARROW)



A combination of the words "share" and "arrow," sharrows indicate that space on the road is meant to be shared by bikes and cars. Some cities have implemented "super sharrows" by placing the sharrow marking in the middle of a five-foot green bike lane to help clarify where bicyclists should ride.

Design Standards

- The Shared Lane Marking in use within the United States is the bike-and-chevron "sharrow."
- Sharrows must not be used on shoulders, in designated bike lanes, or to designate bicycle detection at signalized intersections.
- Sharrows should be placed every 50–100 feet on busier streets and up to every 250 feet on low traffic bicycle routes.
- On streets with posted 25 mph speeds or slower, preferred placement is in the center of the travel lane to minimize wear and encourage cyclists to occupy the full travel lane.

BIKE BOX



A bike box is a designated area at the head of a traffic lane at a signalized intersection that provides bicyclists with a safe and visible way to get ahead of queuing traffic during the red signal phase.

Design Standards

- Bicycle boxes should be 10 feet minimum depth, and the full width of bicycle lane and adjacent general purpose travel lane together.
- Bike boxes may extend across a left-turn lane to facilitate bicycle left turn movements, but generally should not be extended across more than one through lane.
- Must include stop lines for motor vehicles behind the bike box and include "Stop Here on Red" sign.
- Pavement markings within box are advisable. "No Turn on Red" restrictions are mandatory.
- Green pavement markings shall be used within the bike box and the first 25–50 feet of the lead-in approach/ingress lane to enhance visibility.

Community Outreach

- Presentation to Businesses at TDI Partnership Monthly Meeting (4/29)
- Personalized Letter Campaign (7/20)

D_GIS_FULL	Business Name	Street	City	State	Zip	Parking lot?	On their Street	On the Side of Bike Lane?	Letter Getting	Notes	Map #	Email	Phone
CENTER ST	Adrocks Associates	10 CENTER ST #403	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Edwards Insurance Agency	10 CENTER ST	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Eileen Gal's Supplies & More	8 CENTER ST	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Hands Together Inc	10 CENTER ST #413	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Horseshoes and Hand Grenades Tattoo	6 CENTER ST	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Law Offices of Mark E. Salomone	10 CENTER ST #312	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
CENTER ST	Radiance Home Health Care, Inc.	10 CENTER ST #302	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Recommend Market Square Parking Lot	1	11	
EXCHANGE ST	Family Dollar	209 EXCHANGE ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Along Loop, Not Directly Impacted		1	11	
EXCHANGE ST	Ba's Bakery	218 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Cabot Liquor Store	220 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Dimes Boutique	208 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Family Barber Shop	212 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	G Boutique	212 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Gigamon's Used Appliances	200 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Golden Mirror Hair Salon	218 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	S.A. Farmworth Insurance Agency	202 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Diamond Tea Service	214 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		2	11	
EXCHANGE ST	Bernadino's Bakery	105 EXCHANGE ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Parking Directly Impacted, has off street		3	11	
EXCHANGE ST	Botanica Yomaga Gift Shop	136 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		3	11	
EXCHANGE ST	Elizabeth Grocery	126 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		3	11	
EXCHANGE ST	New England Cycle Supply	130 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		3	11	
EXCHANGE ST	Paradise Pizza	140 EXCHANGE ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		3	11	
CHESTNUT ST	St. Stanislaus Club	21 CHESTNUT ST	CHICOPEE	MA	01013	Yes	Yes	No	Along Loop, Not Directly Impacted		3	11	
EXCHANGE ST	Tumalt Corporation	118 EXCHANGE ST	CHICOPEE	MA	01013	Yes	Yes	No	Along Loop, Not Directly Impacted		3	11	
CENTER ST	Kos Hardware & Grain	143 CENTER ST	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted	Special Letter	5	11	
CENTER ST	Casa de Carne	168 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		5	11	
CENTER ST	Elevation Homecare Agency	152 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		5	11	
CENTER ST	Paul Davis Restoration & Remodeling of Western MA	152 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		5	11	
CENTER ST	Chicopee Eyecare	113 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Parking Directly Impacted, has off street		6	11	
CENTER ST	Phillips Insurance Agency, Inc.	97 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Parking Directly Impacted, has off street		6	11	
CENTER ST	Subway	105 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Parking Directly Impacted, has off street		6	11	
CENTER ST	Center Cleaners	82 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		6	11	
CENTER ST	The Agency Companies	86 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		6	11	
CENTER ST	United States Postal Service	100 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		6	11	
CENTER ST	Center for Martial Arts and Fitness	22 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Chicopee Cupboard	32 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Duane Studio Dance	15 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	No	Parking Directly Impacted, has off street		7	11	
CENTER ST	Granfield, Bugbee & Masse	35 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Parking Directly Impacted, has off street		7	11	
CENTER ST	Jackson Hewitt	26 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Koshmiers Gallery	28 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Munch & Koenig-Auto	61 CENTER ST	CHICOPEE	MA	01013	No	Yes	Yes	Parking Directly Impacted		7	11	
CENTER ST	Munch Haus	13 CENTER ST	CHICOPEE	MA	01013	Yes	Yes	Yes	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Chicopee City Veteran's Department	36 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	
CENTER ST	Chicopee Office of Community Development	38 CENTER ST	CHICOPEE	MA	01013	No	Yes	No	Along Loop, Not Directly Impacted		7	11	

Half of the businesses that received a personalized letter that was tailored to them based on their location.

Work in Progress

- We've heard concerns, and worked to address them:
 - Kos Hardware
 - Westfield Bank
 - Eileen's Cak's
 - Portuguese American Club
 - On street handicap parking locations
- We have a feedback form on our website:
<https://chicopeema.gov/908/Center-Loop>



Center Loop Plan Set Map# 3

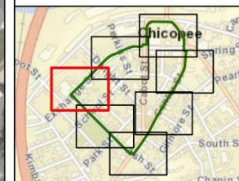
Legend

- Painted White Dashed Line
- Sans Wave Delineator & Painted Buffer Line
- Painted Bike Box
- Width of Biking Path
- Bike Path Stencil
- Number of Parking Spots Eliminated
- Direction of Vehicular Travel



Notes

- Aerial Photography courtesy of MassGIS, Spring 2019.
- Vector data courtesy City of Chicopee & MassGIS, 2021.

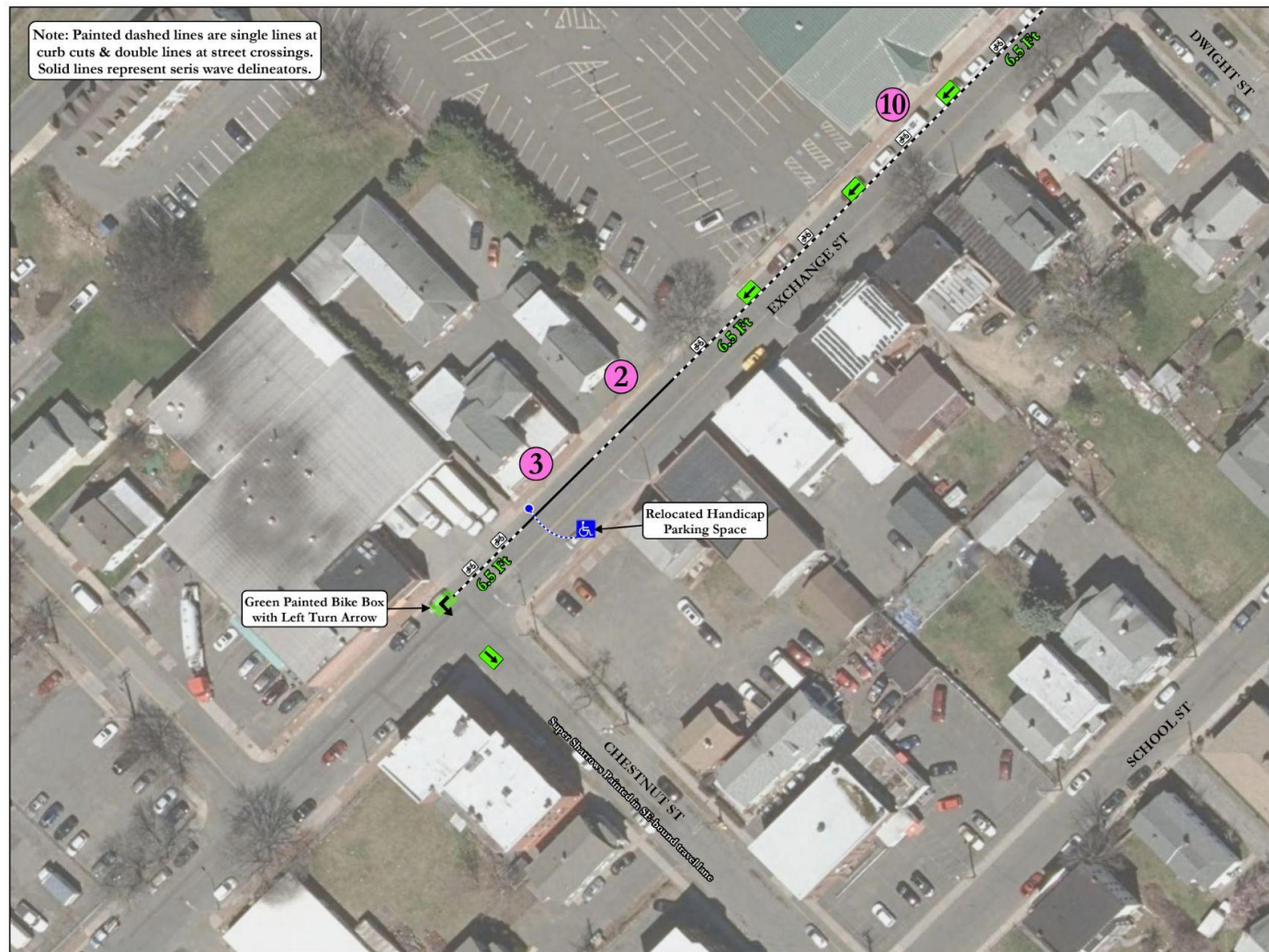


Center Loop Bikepath
Chicopee Center Neighborhood
Chicopee, Massachusetts



Developed by City of Chicopee Planning Department
August 2021

Note: Painted dashed lines are single lines at curb cuts & double lines at street crossings. Solid lines represent series wave delineators.



Center Loop Plan Set Map# 4

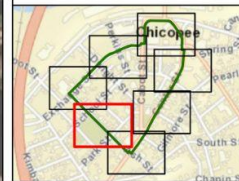
Legend

- Painted White Dashed Line
- Sans Wave Delineator & Painted Buffer Line
- Painted Bike Box
- Width of Biking Path
- ⓑ Bike Path Stencil
- # Number of Parking Spots Eliminated
- Direction of Vehicular Travel



Notes

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2. Vector data courtesy City of Chicopee & MassGIS, 2021.



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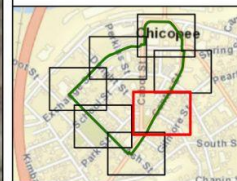
Center Loop Plan Set Map# 6

Legend	
---	Painted White Dashed Line
—	Sans Wave Delineator & Painted Buffer Line
	Painted Bike Box
6.5 ft	Width of Biking Path
	Bike Path Stencil
#	Number of Parking Spots Eliminated
→	Direction of Vehicular Travel



Notes

1. Aerial Photography courtesy of MassGIS, Spring 2019.
2. Vector data courtesy City of Chicopee & MassGIS, 2021.

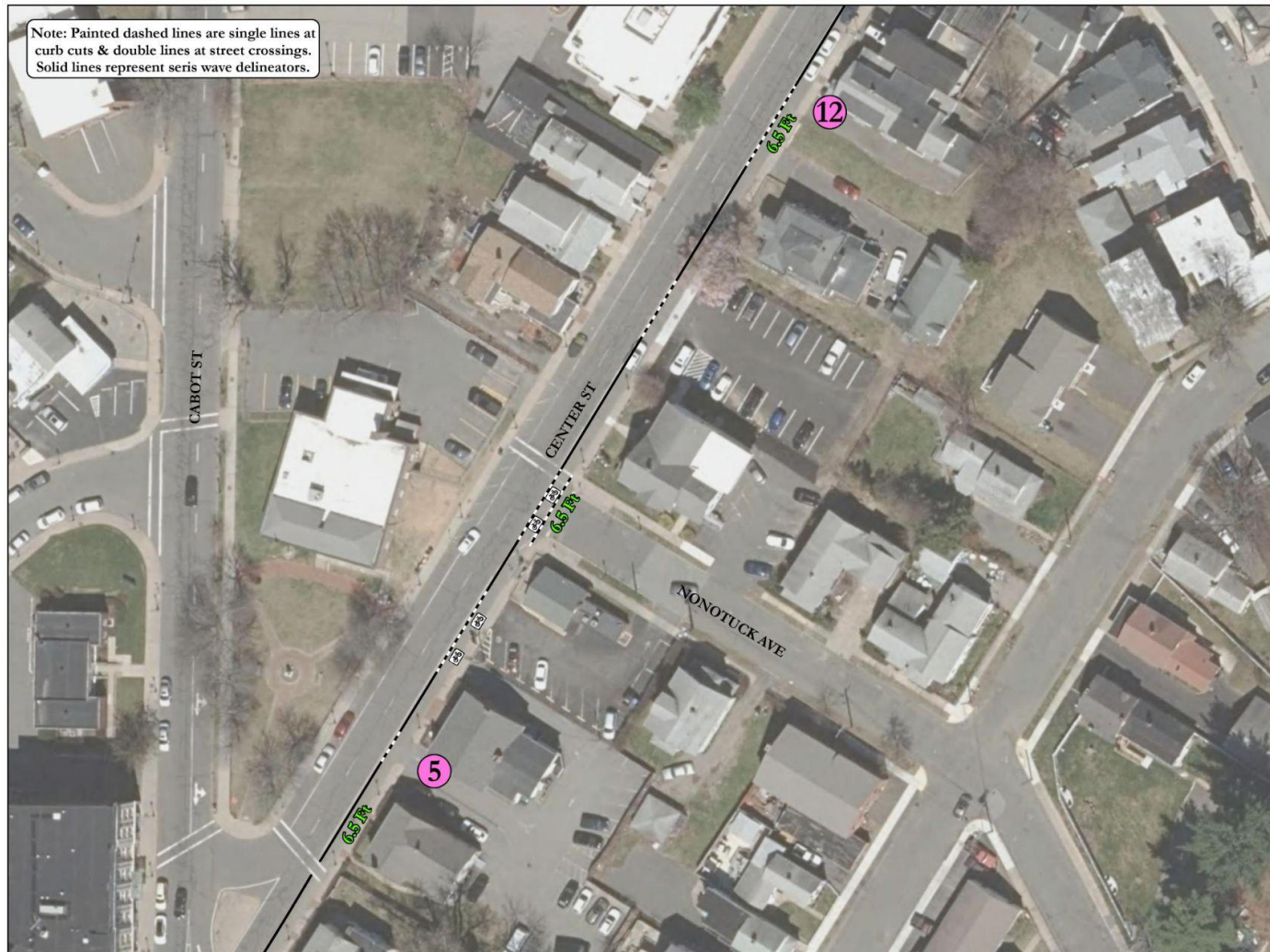


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Vehicular Traffic Flow (2 Lanes)
Right Lane goes Straight OR Right Turn
Left Lane goes Straight Only

Green Painted Bike Box
& Left Turn Arrow

Relocated Handicap
Parking Space

Center Loop Plan Set Map# 7

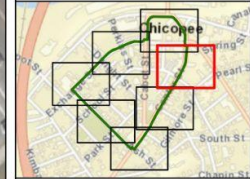
Legend

- Painted White Dashed Line
- Sans Wave Delineator & Painted Buffer Lane
- Painted Bike Box
- Width of Biking Path
- Bike Path Stencil
- Number of Parking Spots Eliminated
- Direction of Vehicular Travel



Notes

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